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| Substitute Form PTO-1449<br>(Modified)<br><br><b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br><br>(37 CFR §1.98(b)) | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney Docket No.<br><b>14503-0010US1</b> | Application No.<br><b>10/506,366</b> |
|  | Applicant<br><b>Michele Orlando et al.</b>                 |   |                                      |
|  | Filing Date<br><b>February 2, 2005</b>                     | Group Art Unit<br><b>1623</b>               |                                      |

| U.S. Patent Documents |           |                 |                  |                  |       |          |                            |
|-----------------------|-----------|-----------------|------------------|------------------|-------|----------|----------------------------|
| Examiner Initial      | Desig. ID | Document Number | Publication Date | Patentee         | Class | Subclass | Filing Date If Appropriate |
|                       | 1         | 6,596,861       | 07/22/03         | Moreau           |       |          |                            |
|                       | 2         | 2005/0181985    | 08/18/05         | Hemberger et al. |       |          |                            |

| Foreign Patent Documents or Published Foreign Patent Applications |           |                 |                  |                          |       |          |             |    |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial  | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|   |           |                 |                  |                          |       |          | Yes         | No |
|   | 3         | WO 92/11037     | 07/09/92         | WO                       |       |          |             |    |
|   | 4         | WO 97/42225     | 11/13/97         | WO                       |       |          |             |    |
|   | 5         | WO 01/83522     | 11/08/01         | WO                       |       |          |             |    |
|   | 6         | WO 01/93862     | 12/13/01         | WO                       |       |          |             |    |
|   | 7         | WO 02/28841     | 04/11/02         | WO                       |       |          |             |    |
|   | 8         | 10-287554       | 10/27/98         | JP                       |       |          | Abst.       |    |

| Other Documents (include Author, Title, Date, and Place of Publication) |           |   |
|---|-----------|---|
| Examiner Initial  | Desig. ID | Document  |
|   | 9         | Bayer et al., "The Avidin-Biotin Complex in Affinity Cytochemistry," <u>Meth. Enzymol.</u> , 1979, 62:308-315   |
|   | 10        | Boyer et al., "Reaction in Biphasic Water/Organic Solvent System in the Presence of Surfactant: Inverse Phase Transfer Catalysis versus Interfacial Catalysis," <u>Tetrahedron</u> , 2000, 56:303-307 |
|   | 11        | Heitzmann and Richards, "Use of the Avidin-Biotin Complex for Specific Staining of Biological Membranes in Electron Microscopy," <u>Proc. Natl. Acad. Sci. USA</u> , 1974, 71(9):3537-3561            |
|   | 12        | Lewis et al., "The phase transfer catalysed synthesis of isoflavone-O-glucosides," <u>J. Chem. Soc. Perkins Trans. 1</u> , 1998, pp. 2481-2484  |
|   | 13        | Lewis and Wähälä, "Regiospecific 4'-O-β-glucosidation of isoflavones," <u>Tetrahedron Letters</u> , 1998, 39(51):9559-9562  |
|   | 14        | Organikum, Organisch-chemisches Grundpraktikum, 1984, VEB Deutscher Verlag der Wissenschaften, p. 472 (with English translation and verification)   |
|   | 15        | Tam et al., "Peptide Synthesis Using Unprotected Peptides Through Orthogonal Coupling Methods," <u>Proc. Natl. Acad. Sci. USA</u> , 1995, 92:12485-12489  |
|   | 16        | Pierce Chemical Technical Library, "cross-linking," 1994, 45 pages  |
|   | 17        | Carey and Sundberg, "Organische Chemie," VCH Verlagsgesellschaft mbH, Weinheim (DE), 1995, pp. 432-433 and 455 (English translation provided)   |
|   | 18        | Peri et al., "Chemo- and Stereoselective Glycosylation of Hydroxylamino Derivatives: A Versatile Approach to Glycoconjugates," <u>Tetrahedron</u> , 1998, 54:12269-12278                              |
|   | 19        | Heindel et al., "Hydrazide Pharmaceuticals as Conjugates to Polyaldehyde Dextran: Syntheses, Characterization, and Stability," <u>Bioconj. Chem.</u> , 1990, 1:77-82                                  |

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|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| <b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br><br>(37 CFR §1.98(b)) |  | Applicant<br>Michele Orlando et al.  |                               |
|  |  | Filing Date<br>February 2, 2005      | Group Art Unit<br>1623        |

| Other Documents (include Author, Title, Date, and Place of Publication) |           |   |
|---|-----------|---|
| Examiner Initial  | Desig. ID | Document  |
|   | 20        | Wilchek and Bayer, "Labeling Glycoconjugates with Hydrazide Reagents," <u>Meth. Enzymol.</u> , 1987, 138:429-442  |
|   | 21        | Anno et al., "Sugar Chemistry," 1995, page 31 (English translation provided)  |
|   | 22        | Lund et al., "Assessment of methods for covalent binding of nucleic acids to magnetic beads, Dynabeads™, and the characteristics of the bound nucleic acids in hybridization reactions," <u>Nucl. Acids Res.</u> , 1988, 16(22):10861-10880 |
|   | 23        | Wang et al., "Delivery of Antisense Oligonucleotides Using HPMA Polymer: Synthesis of A Thiol Polymer and Its Conjugation to Water-Soluble Molecules," <u>Bioconj. Chem.</u> , 1998, 9:749-757  |
|   | 24        | Stille and Dittmann, "Atherosclerosis as Consequence of Chronic Infection by Chlamydia Pneumoniae," <u>Herz</u> , 1998, 23:185-192 (w/English Abstract at page 186)   |

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